

# **ARRAY-TYPE OPTICAL DEVICE HAVING ENHANCED PUMP EFFICIENCY**

## **Abstract**

5        The present invention relates to an array-type optical device, which can enhance optical pumping efficiency. The major characteristic of the present invention is that the array-type optical device has as many gain medium structures as possible within a beam spot of an optical pumping source or has an increased number of optical pumping sources to irradiate gain medium structures, which enhances optical pumping efficiency.